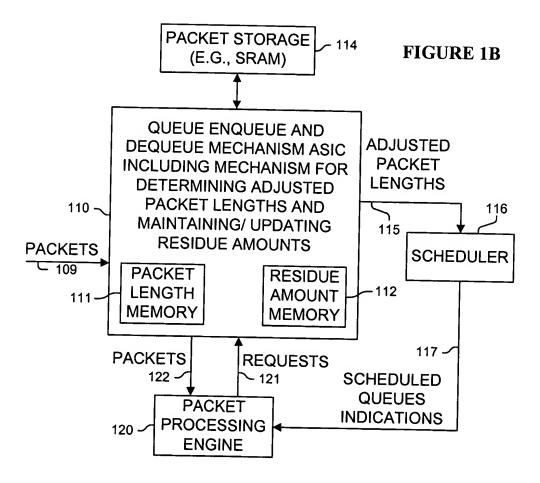


FIGURE 1A



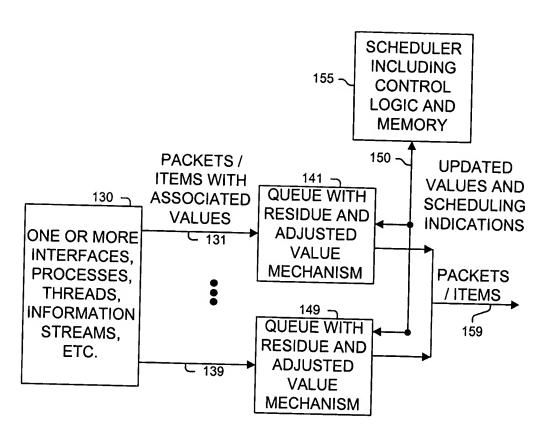


FIGURE 1C

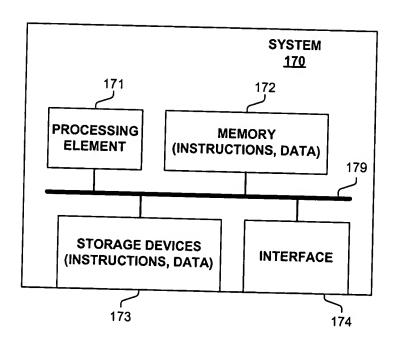
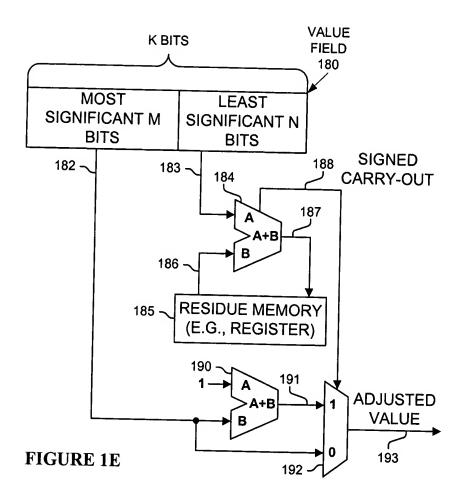


FIGURE 1D



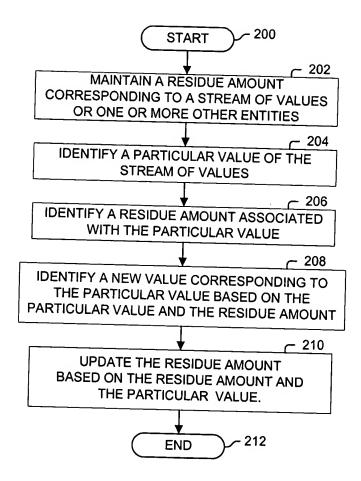


FIGURE 2A

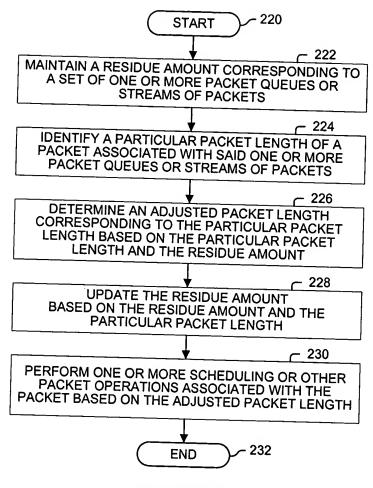
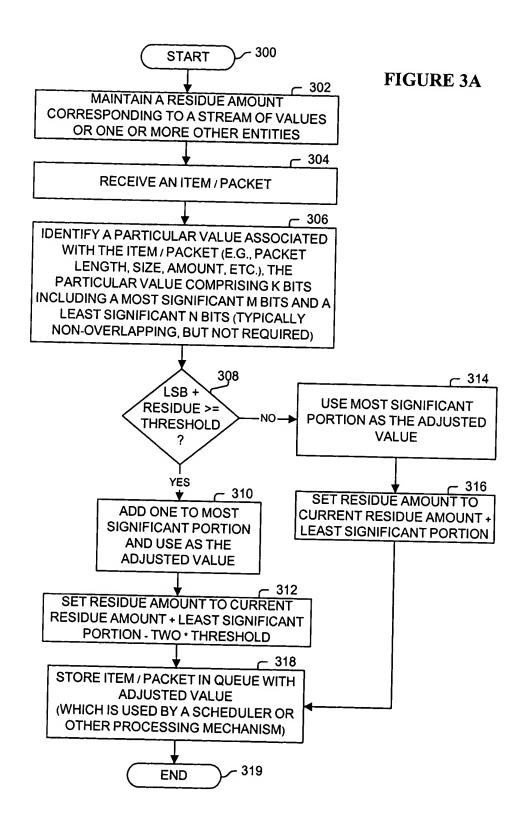
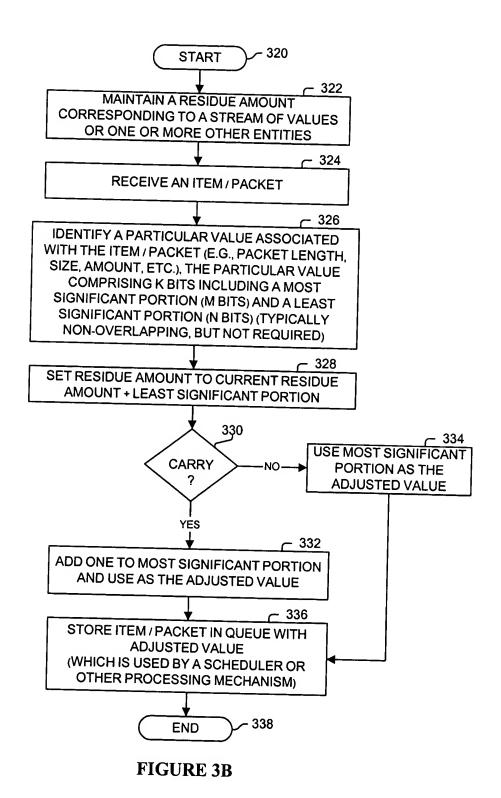
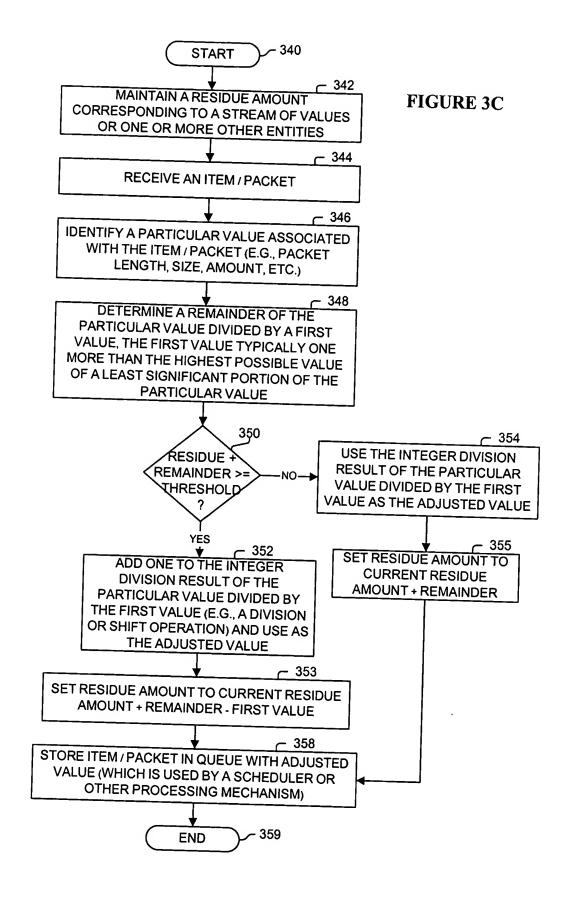
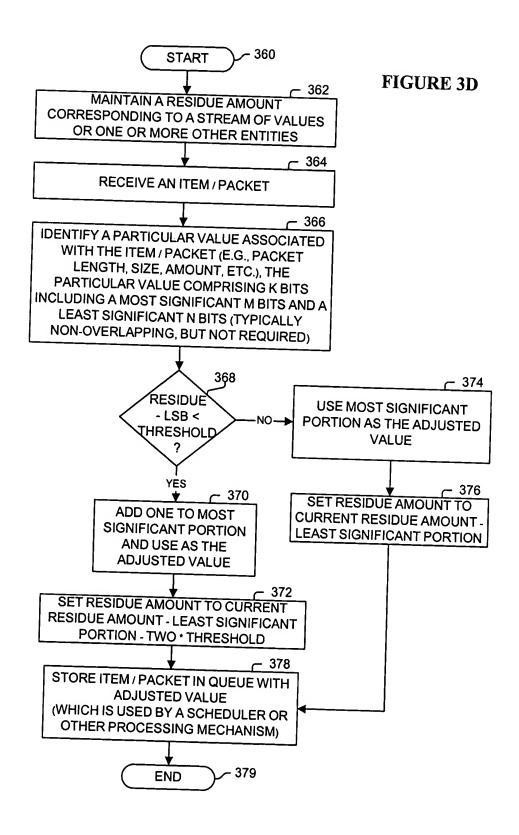


FIGURE 2B









```
/*
 * The residue tracks how many bytes we're behind -- positive is
 * more behind. The residue holds a 4-bit signed number between
 * -8 and +7.
* pkt_lngth is the actual packet length in bytes.
* encd_pkt_lngth is the compressed (shorter, less resolution)
* packet length associated with the enqueued packet and used
* by the scheduler.
*/
/* m is the 4 LSBs of the packet length */
m = pkt_lngth % 16;
if ((residue + m) >= 8) {
/*
* residue pushes us at or past the +1/2 point; since we
* round up in this case, we want to decrease the residue.
residue = residue + m - 16;
encd_pkt_lngth = (pkt_lngth >> 4) + 1; /* round up */
}
else {
/*
* residue doesn't push us at or past the +1/2 point; since
* we round down in this case, we want to increase the
* residue.
*/
residue = residue + m;
encd_pkt_lngth = (pkt_lngth >> 4); /* round down */
```

FIGURE 4